

ABSTRACT

An assembly for processing a service used by a component-based application is provided by receiving a request from the component-based application that specifies a role name symbolizing the task, accessing an assembly data-structure corresponding to the role name and having metadata information specifying a number of components used to perform the service and interfaces used to connect each component with other components, loading a component identified in the assembly data-structure into an area for processing, connecting an interface associated with the loaded component to other components according to the meta-data information in the assembly data-structure, and performing the requested service using the loaded component to process data and the interface to pass information from the loaded component to other components.

50035184.doc